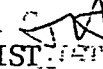


December 4, 1981

Memo to File:

RE: Desert Mound Mine
U. S. Steel Corporation
ACT/021/003
Iron County, Utah

The water analyses requested have arrived and do not indicate any potential for environmental hazards. Steve McNeal of State Health was contacted and he has requested information regarding the discharge from Roy Benson of U. S. Steel Corporation. On this date (December 2, 1981), a phone call to Mr. Benson ascertained that the material was sent to State Health and that no concerns about the manner of discharge should be forthcoming.

THOMAS N. STETTINGER 
ENGINEERING GEOLOGIST

TNT/btb

Steve
McNeal
NPDES permit
6146

Water Resources
Don Norrith
5401

Water Rpts?
6071

WATER ANALYSIS MT LION PIT U.S. STEEL Corp.

SAMPLE WAS OBTAINED APRIL 15 1980
AFTER MINE WAS PLACED ON STAND-BY
AND NOT OPERATING

PH VALUE @ 25°C 7.4

Hydroxide (OH)	0	PPM
Carbonate (CO ₃)	0	"
Bi. Carbonate (HCO ₃)	101	"
Sulfate (SO ₄)	51	"
Chloride (Cl)	14	"
Nitrate (NO ₃)	4005	"
Silica (SiO ₂)	12	"
Phosphate (PO ₄) (Ortho)	.03	"
Phosphate (PO ₄) (Meta)	1.0	"
Hard (CaCO ₃)	131	"
Calcium (Ca)	28	"
Magnesium (Mg)	5	"
FE (IRON)	3	"
Copper (Cu)	<.001	"
Manganese (Mn)	0	"
Sodium (Na)	0	"
Dissolved Solids	308	"
Suspended Solids	< 1	"

DESCRIPTION OF WATER WHITE, CLEAR, PURE